

IB Biology

Internal Assessment

Design a lab to investigate the effect of an abiotic factor on seed germination.

Suggestion of seed: *Solanum lycopersicum* (tomato)

Important: Read the IB Rubric for this criterion before start your lab.

Design

Levels/marks	Aspect 1	Aspect 2	Aspect 3
	Defining the problem and selecting variables	Controlling variables	Developing a method for collection of data
Complete/2	Formulates a focused problem/research question and identifies the relevant variables.	Designs a method for the effective control of the variables.	Develops a method that allows for the collection of sufficient relevant data.
Partial/1	Formulates a problem/ research question that is incomplete or identifies only some relevant variables.	Designs a method that makes some attempt to control the variables.	Develops a method that allows for the collection of insufficient relevant data.
Not at all/0	Does not identify a problem/research question and does not identify any relevant variables.	Designs a method that does not control the variables.	Develops a method that does not allow for any relevant data to be collected.

Your Lab Report must include:

- Title
- Aim
- Introduction
- Materials
- Method
- Dependent / Independent / Controlled Variables